

Product Specifications

General		Accuracy	
GPS Chipset	NEMERIX GPS Module	3 meters CEP (50%), without SA(Horizontal) 7meters (90%)	
Frequency	L1, 1575.42MHz	Velocity	0.1 m/sec. without SA
C/A Code	1.023MHz chip rate	Time	±100 ns synchronized to GPS time
Channels	16 CH all in view tracking	Dynamic Conditions	
Antenna (Internal)	Built-in low noise	Altitude	<18,000m
External Antenna Port	Active MMCX Antenna	Velocity	<515m/sec
Sensitivity		Acceleration	<4g
- 147 dBm Tracking, Superior Urban Canyon Performance		Motional.	Jerk20 m/sec
Acquisition Rate		GPS Protocol	
Cold Start	45 sec, average	NMEA-0183 (V3.01) - GGA, GSA, GSV, RMC, update interval 1 second (Default)	
Warm Start	38 sec, average	Datum	
Hot Start	10 sec, average	WGS-84 (or by demanded)	
Reacquisition	100 ms, average	Interface	
Power		Communicate with host platform via bluetooth (class 2) serial port profile	
Rechargeable 5VDC 850mAh Li-ion battery		Band rate 9600 bps (Data bit : 8, stop bit : 1)	
Operation Current	45mA (Typical)	Device Size	
Operation Time	20hrs continuous (MAX)	81 (L) X 44 (W) X 20 (H) mm Weight < 70g	
Charging time	2.5hrs. (Typical)	3.2 (L) X 1.75 (W) X 0.79 (H) inch	
Environmental		Accessories	
Operating Temp.	- 20°C to + 60°C	AC adaptor (5V output, 500ma)	
Relative Humidity	5% to 90% non-condensing		

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i.Trek™

Personal Navigation System



User Manual

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Hardware Features

A. Sat / Bat LED

B. Power Switch

C. Bluetooth LED



- Sat / Bat LED serves dual purposes. It indicates battery level and satellite status.

Flashing Green – The battery is low and requires charge.
Orange – The battery is charging.
Red – The GPS is searching for satellites.
Flashing Red – The GPS position has fixed.
- Press Power Switch for 2 seconds to turn on i.Trek BT GPS. The LED1 will flash in red and green, and Bluetooth LED will flash in blue.
- Bluetooth LED will flash rapidly when searching for Bluetooth signals. Bluetooth LED will flash slowly at once per second when transferring data.

Package Contents

- Bluetooth GPS receiver x 1
- Battery x 1
- AC Charger x 1
- Car Charger x 1
- User Manual x 1
- Quick Start Guide x 1
- External Active Antenna x 1 (Optional)

FAQ and Trouble Shooting

- **Does BT GPS require driver?**
No, BT GPS does not require driver to run. As long as the host device supports Bluetooth and serial profile, it will recognize BT GPS through discovery mode.
- **The BT GPS is successfully paired through Bluetooth Manager. However, the GPS mapping software can not recognize the BT GPS.**
Only one program can access the GPS at one time. Please make sure all GPS programs are turned off except for one you intend to use.
- **The BT GPS has received satellite signals. However, it can not acquire a fix.**
GPS stores the satellite data in the internal memory. If you have not used GPS for a while or have traveled a long distance, please remove the battery for 5 min. and let the GPS reset.
- **The BT GPS takes long time to get a fix.**
When you first use the GPS, please make sure that you are outside with good view of the sky and stay stationary. It may take about 2 minutes to locate the satellites for the first time. However, it will locate much faster during the subsequent uses.
- **The BT GPS can not be paired after the battery is completely drained.**
When the battery is completely drained, the unique pairing ID is lost. Please delete the BT GPS short cut and the paired device from the Bluetooth manager, restart the host device, and re-pair the BT GPS again.
- **Where to find more support information?**
More information is available at www.semsons.com Also, you may send questions to semsons@pacbell.net or call for technical support at (626)574-0507.
- **How long is the warranty and where to exchange the defective product?**
The warranty is one year from the date of purchase. Replacement will be issued directly by your authorized dealer.